

Amendments to the Claims

Claim 1 (**Currently Amended**) An optical disk device for recording/reproducing data on/from an optical disk, the optical disk device comprising:

~~a spindle driver IC for driving a recording/reproduction driving system; internally including~~ —a monitor circuit for monitoring a junction temperature of a chip of the spindle driver IC; and

——a comparison circuit for comparing an output of the monitor circuit with an arbitrary set temperature and outputting a temperature flag as a comparison result;

~~_____ a traverse driver IC;~~

~~_____ an actuator driver IC; and~~

a CPU for controlling the operation of the optical disk device and monitoring the temperature flag outputted from the comparison circuit, the CPU performing a control so as to continue driving of the optical disk device when the junction temperature is lower than the arbitrary set temperature, and performing a control so as to suppress heat generation of the spindle driver IC when the junction temperature of the chip of the spindle driver IC is equal to or higher than the arbitrary set temperature by not having the spindle driver IC perform a forced acceleration or a forced deceleration of the optical disk for an arbitrary period of time;

——~~wherein the monitor circuit and the comparison are included in the driver IC.~~

Claims 2-7 (**Canceled**)

Claim 8 (**Currently Amended**) The optical disk device as defined in Claim 1-3, further comprising:

——~~an additional monitor circuit; and~~

——~~an additional comparison circuit, wherein~~

——~~the driver IC includes a spindle driver IC,~~

——~~the spindle driver IC internally includes the additional monitor circuit and the additional comparison circuit, and wherein~~

~~——the CPU also performs exerts a control for suppressing heat generation of the spindle driver IC by entering so that a free run state of the optical disk ~~is included with changes in revolution of the optical disk.~~~~

Claims 9 and 10 (**Canceled**)

Claim 11 (**Currently Amended**) The optical disk device as defined in Claim 1-3, ~~further comprising: wherein~~

~~——an additional monitor circuit; and~~

~~——an additional comparison circuit, wherein~~

~~——the driver IC includes an actuator driver IC;~~

the actuator driver IC internally includes an ~~the~~ additional monitor circuit for monitoring a junction temperature of a chip of the actuator driver IC and an ~~the~~ additional comparison circuit for comparing an output of the additional monitor circuit with an arbitrary set temperature and outputting a temperature flag as a comparison result, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC when the junction temperature of the chip of the actuator driver IC is equal to or higher than the arbitrary set temperature by reducing so as to reduce a number of revolutions of the optical disk.

Claims 12-14 (**Canceled**)

Claim 15 (**Currently Amended**) The optical disk device as defined in Claim 8, ~~further comprising: wherein~~

~~——a second additional monitor circuit; and~~

~~——a second additional comparison circuit, wherein~~

~~——the driver IC includes an actuator driver IC;~~

the actuator driver IC internally includes an ~~the second~~ additional monitor circuit for monitoring a junction temperature of a chip of the actuator driver IC and an ~~the second~~ additional comparison circuit for comparing an output of the additional monitor circuit with an arbitrary set temperature and outputting a temperature flag as a comparison result, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC when the junction temperature of the chip of the actuator driver IC is equal to or higher than the arbitrary set temperature by reducing so as to reduce a number of revolutions of the optical disk.

Claim 16 (Canceled)

Claim 17 (New) The optical disk device as defined in Claim 1, wherein

the traverse driver IC internally includes an additional monitor circuit for monitoring a junction temperature of a chip of the traverse driver IC and an additional comparison circuit for comparing an output of the additional monitor circuit with an arbitrary set temperature and outputting a temperature flag as a comparison result, and

the CPU exerts a control for suppressing heat generation of the traverse driver IC when the junction temperature of the chip of the traverse driver IC is equal to or higher than the arbitrary set temperature by reducing a high-speed movement of traverse of a pickup.

Claim 18 (New) The optical disk device as defined in Claim 8, wherein

the traverse driver IC internally includes an additional monitor circuit for monitoring a junction temperature of a chip of the traverse driver IC and an additional comparison circuit for comparing an output of the additional monitor circuit with an arbitrary set temperature and outputting a temperature flag as a comparison result, and

the CPU exerts a control for suppressing heat generation of the traverse driver IC when the junction temperature of the chip of the traverse driver IC is equal to or higher than the arbitrary set temperature by reducing a high-speed movement of traverse of a pickup.

Claim 19 (New) The optical disk device as defined in Claim 11, wherein

the traverse driver IC internally includes a second additional monitor circuit for monitoring a junction temperature of a chip of the traverse driver IC and a second additional comparison circuit for comparing an output of the second additional monitor circuit with an arbitrary set temperature and outputting a temperature flag as a comparison result, and

the CPU exerts a control for suppressing heat generation of the traverse driver IC when the junction temperature of the chip of the traverse driver IC is equal to or higher than the arbitrary set temperature by reducing a high-speed movement of traverse of a pickup.

Claim 20 (**New**) The optical disk device as defined in Claim 15, wherein

the traverse driver IC internally includes a second additional monitor circuit for monitoring a junction temperature of a chip of the traverse driver IC and a second additional comparison circuit for comparing an output of the second additional monitor circuit with an arbitrary set temperature and outputting a temperature flag as a comparison result, and

the CPU exerts a control for suppressing heat generation of the traverse driver IC when the junction temperature of the chip of the traverse driver IC is equal to or higher than the arbitrary set temperature by reducing a high-speed movement of traverse of a pickup.